#### CLAIMS:

What is claimed is:

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- 1 1. A network data processing system, comprising:
- a first processing unit, said first processing unit
- 3 including a plurality of processing subunits, each
- 4 processing subunit of said plurality of processing
- 5 subunits associated with a particular priority level of
- 6 service of a plurality of priority levels of service; and
- 7 a plurality of second processing units, each
- 8 processing subunit of said plurality of processing
- 9 subunits coupled to a corresponding second processing
- 10 unit of said plurality of second processing units and
- 11 operable to:
- responsive to a service request, convey said service
- 13 request to said corresponding second processing unit in
- 14 accordance with said associated priority level of
- 15 service.
  - 1 2. The network data processing system of Claim 1,
  - 2 further comprising:
  - 3 a plurality of third processing units; and
  - 4 a network communication medium coupled to said
  - 5 plurality of third processing units and said first
  - 6 processing unit, whereby at least one of said third
  - 7 processing units of said plurality of said third
  - 8 processing units is operable to convey said service
  - 9 request to said first processing unit.

- 1 3. The network data processing system of Claim 1,
- 2 wherein said first processing unit comprises a server.
- 1 4. The network data processing system of Claim 1,
- 2 wherein said first processing unit comprises a proxy
- 3 server.
- 1 5. The network data processing system of Claim 1,
- 2 wherein said first processing unit comprises a reverse
- 3 proxy server.
- 1 6. The network data processing system of Claim 1,
- 2 wherein each said processing subunit of said plurality of
- 3 processing subunits comprises a proxy subunit.
- 1 7. The network data processing system of Claim 1,
- 2 wherein each said second processing unit of said
- 3 plurality of second processing units comprises a document
- 4 storage processor.
- 1 8. The network data processing system of Claim 1,
- 2 wherein said service request comprises a request to
- 3 retrieve a document from a Web page.
- 1 9. The network data processing system of Claim 2,
- 2 wherein each said third processing unit of said plurality
- 3 of third processing units comprises a client processor.

- 1 10. The network data processing system of Claim 2,
- 2 wherein each said third processing unit of said plurality
- 3 of third processing units comprises a Web browser.
- 1 11. The network data processing system of Claim 2,
- 2 wherein said network communication medium comprises an IP
- 3 network.
- 1 12. The network data processing system of Claim 2,
- 2 wherein said network communication medium comprises at
- 3 least one of an intranet, LAN and WAN.
- 1 13. The network data processing system of Claim 1,
- 2 wherein said particular priority level of service
- 3 comprises a high level of priority.
- 1 14. The network data processing system of Claim 1,
- 2 wherein said particular priority level of service
- 3 comprises a medium level of priority.
- 1 15. The network data processing system of Claim 1,
- 2 wherein said particular priority level of service
- 3 comprises a low priority of service.
- 1 16. The network data processing system of Claim 1,
- 2 wherein said association with said particular priority
- 3 level of service comprises a global address of at least
- 4 one of a document residing on a Web page and said second
- 5 processing unit of said plurality of second processing
- 6 units.

- 1 17. The network data processing system of Claim 16,
- 2 wherein said association comprises a URL.
- 1 18. A method for processing a service request in a
- 2 network data processing system, the method comprising the
- 3 steps of:
- 4 receiving a service request at a first processing
- 5 unit;
- 6 associating a particular priority level of service
- 7 with said service request;
- 8 conveying said service request to a second
- 9 processing unit in accordance with said particular
- 10 priority level of service; and
- 11 processing said service request in accordance with
- 12 said particular priority level of service.
  - 1 19. The method of Claim 18, wherein said first
  - 2 processing unit comprises a server.
- 1 20. The method of Claim 18, wherein said first
- 2 processing unit comprises a proxy server.
- 1 21. The method of Claim 18, wherein said first
- 2 processing unit comprises a reverse proxy server.
- 1 22. The method of Claim 18, wherein said service request
- 2 includes a request to retrieve a document and a global
- 3 address in an Internet of at least one of a location of
- 4 said document and said second processing unit.

- 1 23. The method of Claim 18, wherein said second
- 2 processing unit comprises a document storage processor.
- 1 24. The method of Claim 18, wherein said service request
- 2 comprises a request to retrieve a document from a Web
- 3 page.
- 1 25. The method of Claim 18, further comprising the step
- 2 of forwarding said service request from a third
- 3 processing unit.
- 1 26. The method of Claim 25, wherein said third
- 2 processing unit comprises a Web browser.
- 1 27. The method of Claim 25, wherein said particular
- 2 priority level of service comprises at least one of a
- 3 high level of priority, a medium level of priority, and a
- 4 low level of priority.
- 1 28. The method of Claim 18, wherein the step of
- 2 associating said particular priority level of service
- 3 with said service request comprises the step of
- 4 associating said particular priority level of service
- 5 with at least one of a global address of a document
- 6 residing on a Web page and a global address of said
- 7 second processing unit on said Web.
- 1 29. The method of Claim 28, wherein said global address
- 2 comprises a URL.

- 1 30. A computer program product on a computer-readable
- 2 medium, the computer program product comprising:
- 3 first instructions for receiving a service request
- 4 at a first processing unit;
- 5 second instructions for associating a particular
- 6 priority level of service with said service request;
- 7 third instructions for conveying said service
- 8 request to a second processing unit in accordance with
- 9 said particular priority level of service; and
- 10 fourth instructions for processing said service
- 11 request in accordance with said particular priority level
- 12 of service.